

1614  
RECEIVED  
JAN 28 2003  
TECH CENTER 100012900

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

Docket Number:  
10793/44

Application Number  
10/032,037

Filing Date  
December 31, 2001

Examiner  
To Be assigned

Art Unit  
1614

Invention Title  
Y1-ISOLATED MOLECULES COMPRISING EPITOPES  
CONTAINING SULFATED MOIETIES, ANTIBODIES  
TO SUCH EPITOPES, AND USES THEREOF

Inventor(s)  
LEVANON et al.

Address to:  
Commissioner for Patents  
Washington D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date: 1/23/03

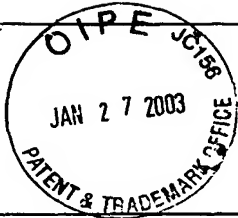
Signature: Kathryn M. Lumb  
Kathryn M. Lumb, Reg. No. 46,885

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the attached references to the attention of the Examiner. These references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge or credit any over payment to Deposit Account No. 11-0600. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 1/23/03

By: Kathryn M. Lumb  
Kathryn M. Lumb (Reg. No. 46,885)

KENYON & KENYON  
One Broadway  
New York, N.Y. 10004  
(212) 425-7200 (telephone)  
(212) 425-5288 (facsimile)



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

JAN 28 2003

RECEIVED

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

Docket Number:  
10793/44

Application Number  
10/032,037

Filing Date  
December 31, 2001

Examiner  
To Be assigned

Art Unit  
1614

Invention Title  
Y1-ISOLATED MOLECULES COMPRISING EPITOPES  
CONTAINING SULFATED MOIETIES, ANTIBODIES  
TO SUCH EPITOPES, AND USES THEREOF

Inventor(s)  
LEVANON et al.

Address to:  
Commissioner for Patents  
Washington D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date: 1/23/03

Signature: Kathryn M. Lumb  
Kathryn M. Lumb, Reg. No. 46,885

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the attached references to the attention of the Examiner. These references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge or credit any over payment to Deposit Account No. 11-0600. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 1/23/03

By:

Kathryn M. Lumb  
Kathryn M. Lumb (Reg. No. 46,885)

KENYON & KENYON  
One Broadway  
New York, N.Y. 10004  
(212) 425-7200 (telephone)  
(212) 425-5288 (facsimile)



RECEIVED  
 JAN 28 2003  
 TECH CENTER 1600/2900

<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO-1449</b>	ATTY. DOCKET NO. 10793/44	SERIAL NO. 10/032,037
	APPLICANT LEVANON et al.	
	FILING DATE December 31, 2001	GROUP 1614

**U. S. PATENT DOCUMENTS**

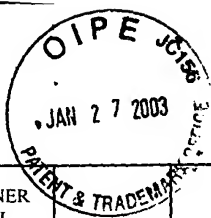
EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,168,062	December 1, 1992	Stinski			
	5,385,839	January 31, 1995	Stinski			
	6,132,730	October 17, 2000	Thorpe, et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS**

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Adams, G.P. et al., "Prolonged in vivo tumour retention of a human diabody targeting the extracellular domain of human HER2/neu," British Journal of Cancer (1998) Vol. 77, No. 9, pp. 1405-1412 ✓
	Afshar-Kharghan, Vahid et al., "Human polymorphism of P-selectin glycoprotein ligand 1 attributable to variable numbers of tandem decameric repeats in the mucinlike region," Blood, Vol. 97, No. 10, May 15, 2001, pp. 3306-3307 ✓
	Altman, John D. et al., "Phenotypic Analysis of Antigen-Specific T Lymphocytes," Science, Vol. 274, October 4, 1996, pp. 94-96 ✓
	Bundgaard, Jens R. et al., "New Consensus Features for Tyrosine O-Sulfation Determined by Mutational Analysis," The Journal of Biological Chemistry, Vol. 272, No. 35, August 29, 1997, pp. 21700-21705 ✓
	Clezardin, Philippe et al., "Role of Platelet Membrane Glycoproteins Ib/Ix and IIb/IIIa, and of Platelet α-Granule Proteins in Platelet Aggregation Induced by Human Osteosarcoma Cells," Cancer Research, Vol. 53, October 1, 1993, pp. 4695-4700 ✓
	Cochran, Jennifer R. et al., "The Relationship of MHC-Peptide Binding and T Cell Activation Probed Using Chemically Defined MHC Class II Oligomers," Immunity, Vol. 12, March 2000, pp. 241-250 ✓
	de Kruif, John et al., "Leucine Zipper Dimerized Bivalent and Bispecific scFv Antibodies from a Semi-synthetic Antibody Phage Display Library," The Journal of Biological Chemistry, Vol. 271, No. 13, March 29, 1996, pp. 7630-7634 ✓
	Gasic, Gabriel J. et al., "Antimetastatic Effects Associated with Platelet Reduction," Proc. Natl. Acad. Sci. USA, Vol. 61, 1968, pp. 46-52 ✓
	Gilbert, Walter et al., "The LAC Operator is DNA," Proc. Natl. Acad. Sci. USA, Vol. 58, 1967, p. 2415-2421 ✓
	Harrison, Jacqueline L. et al., "Screening of Phage Antibody Libraries," Methods in Enzymology, Vol. 267, 1996, pp. 83-109 ✓
	Roberts, Jeffrey W. et al., "Lysogenic Induction," Lambda II, Cold Spring Harbor Laboratory, 1983, pp. 123-144 ✓



RECEIVED

JAN 28 2003

TECH CENTER 1600/2900

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Hudson, Peter J. et al., "Recombinant antibody constructs in cancer therapy," Current Opinion in Immunology, Vol. 11, 1999, pp. 548-557 ✓
	Jurcic, J.G. et al., "Targeted alpha-particle therapy for myeloid leukemias: A phase I trial of bismuth-213-HuM195 (anti-CD33)," Blood, 90(suppl.): 504a, 1997 ✓
	Kamiyama, Mikio et al., "Inhibition of Human Platelet Glycoprotein IIb/IIIa Binding to Fibrinogen by Tumor Cell Membrane Proteins," Cancer Research, Vol. 53, January 15, 1993, pp. 221-223 ✓
	Karparkin, S. et al., "Role of Adhesive Proteins in Platelet Tumor Interaction in Vitro and Metastasis Formation In Vivo," J. Clin. Invest., Vol. 81, April 1988, pp. 1012-1019 ✓
	Kehoe, John W. et al., "Tyrosine sulfation: a modulator of extracellular protein-protein interactions," Chemistry & Biology, Vol. 7, No. 3, 2000, pp. R57-R61 ✓
	Kieffer, Nelly et al., "Expression of Platelet Glycoprotein Iba in HEL Cells," The Journal of Biological Chemistry, Vol. 261, No. 34, December 5, 1986, pp. 15854-15862 ✓
	Kipriyanov, Sergey M. et al., "Single-chain antibody streptavidin fusions; Tetrameric bifunctional scFv-complexes with biotin binding activity and enhanced affinity to antigen," Hum. Antibod. Hybridomas, Vol. 6, No. 3, 1995, pp. 93-101 ✓
	Kishimoto, Tadamitsu et al. (eds.) Leucocyte Typing VI: Proceedings of the Sixth International Workshop and Conference held in Kobe, Japan, 10-14 November 1996, pp. 1218-1219 ✓
	Kostelny, Sheri A. et al., "Formation of a Bispecific Antibody by the Use of Leucine Zippers," The Journal of Immunology, Vol. 148, No. 5, March 1, 1992, pp. 1547-1553 ✓
	Marks, James D. et al., "By-Passing Immunization Human Antibodies from V-gene Libraries Displayed on Phage," J Mol. Biol., Vol. 222, 1991, pp.581-597 ✓
	Moore, Kevin L. et al., "Identification of a Specific Glycoprotein Ligand for P-selectin (CD62) on Myeloid Cells," The Journal of Cell Biology, Vol. 118, No. 2, July 1992, pp. 445-456 ✓
	Oleksowicz, Leslie et al., "Characterization of Tumor-Induced Platelet Aggregation: The Role of Immunorelated GPIb and GPIIb/IIIa Expression by MCF-7 Breast Cancer Cells," Thrombosis Research, Vol. 79, No. 3, 1995, pp. 261-274 ✓
	Power, Barbara E. et al., "Synthesis of high avidity antibody fragments (scFv multimers) for cancer imaging," Journal of Immunological Methods, Vol. 242, 2000, pp. 193-204 ✓
	Ramachandran, Vishwanath et al., "Dimerization of a selectin and its ligand stabilizes cell rolling and enhances tether strength in shear flow," Proc. Natl. Acad. Sci. USA, Vol. 98, No. 18, August 28, 2001, pp. 10166-10171 ✓
	Rodgers, Stephen D. et al., "Tyrosine Sulfation Enhances but is not Required for PSGL-1 Rolling Adhesion on P-Selectin," Biophysical Journal, Vol. 81, October 2001, pp. 2001-2009 ✓
	Schmidt, Emmett V. et al., "The Cytomegalovirus Enhancer: a Pan-Active Control Element in Transgenic Mice," Mol. Cell. Biol., Vol. 10, August 1990, pp. 4406-4411 ✓
	Snapp, Karen R. et al., "A Novel P-Selectin Glycoprotein Ligand-1 Monoclonal Antibody Recognizes an Epitope Within the Tyrosine Sulfate Motif of Human PSGL-1 and Blocks Recognition of Both P- and L-Selectin," Blood, Vol. 91, No. 1, January 1, 1998, pp. 154-164 ✓
	Tomlinson, Stephen, "Complement defense mechanism," Current Opinion in Immunology, Vol. 5, 1993, pp. 83-89 ✓
	Varki, A. et al., "P-selectin, carcinoma metastasis and heparin: novel mechanistic connections with therapeutic implications," Braz. J. Med. Biol. Res., Vol. 34, No. 6, 2001, pp. 711-717 ✓
	Ward, Christopher M. et al., "Mocarhagin, a Novel Cobra Venom Metalloproteinase, Cleaves the Platelet von Willebrand Factor Receptor Glycoprotein Iba. Identification of the Sulfated Tyrosine/Anionic Sequence Tyr-276-Glu-282 of Glycoprotein Iba as a Binding Site for von Willebrand Factor and α-Thrombin," Biochemistry, Vol. 35, No. 15, 1996, pp. 4929-4938 ✓
	Wu, AM et al., "Anti-carcinoembryonic antigen (CEA) diabody for rapid tumor targeting and imaging," Tumor Targeting, Vol. 4, 1999, pp. 47-58 ✓

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	